SECRET

R 141453Z APR 70 FM NPIC WASHDC TO RUEKJCS/DIA RHCOAAA/SAC RUWJIEA/9 SRW BEALE AFB CALIF SECRET. CITE NPIC 8321. SAC FOR DI AND RECON CENTRAL DIA FOR DIAXX-2 AND DIAAP-9 REF: DIA 310133Z, MAR 70

1970 APR 14 15 11 Z

OUT 69683

SUBJECT: EVALUATION OF GIANT SCALE MSNS S-226 AND S-237

1. NPIC EVALUATED THE ORIGINAL NEGATIVES FROM MSNS S-226, FLOWN 16 FEB 70 AND S-237 FLOWN 19 MAR 70. COMMENTS ON IMAGE QUALITY ARE APPLICABLE TO ORIGINAL NEGATIVES.

2. MISSION S-226:

QUALITY SUMMARY: THE MSN IS HALF THE LENGTH OF NORMAL MSNS IN ADDITION, 40 PERCENT WAS ACQUIRED OVER WATER AND OF THIS TYPE. 20 PERCENT OF THE REMAINING IMAGERY IS OBSCURED BY CLOUDS AND HAZE. CAMERAS OPERATED SATISFACTORILY THROUGHOUT AND PROVIDED FAIR IMAGE QUALITY IN ISOLATED AREAS. EMPIRICAL GROUND RESOLUTION ESTIMATES OF

PAGE 2 RUEADJU ØØ36 S E C R E T THE BEST IMAGERY IN CLOUD FREE AREAS ARE AS FOLLOWS:

- LEFT TEOC: 3.5 FEET (1)
- RIGHT TEOC: 4.0 FEET (2)
- (3) LEFT OOC: 4.0 FEET
- (4) RIGHT OOC: 4.5 FEET

ANALYSIS OF TEOC:

(1) LEFT TEOC (S/N 64-23): MINOR ROLLER CHATTER AT IN SEVERAL CASES, DATA CHAMBERS FAL BEGINNING OF MISSION. WITHIN FORMAT. SIXTY PERCENT OF FRAMES ACQUIRED AT OBLIQUETIES GREATER THEN 30 DEGREES. RIGHT TEOC (S/N 64-24): OPERATED SATISFACTORILY.

SIXTY-FIVE PERCENT OF FRAMES ACQUIRED OVER 30 DEGREES OBLIQUITY . EAST

C. ANALYSIS OF OOC:

(1) LEFT OOC (S/N 4033): OPERATED SATISFACTORILY.

(2) RIGHT OOC (S/N 4004): OPERATED SATISFACTORILY.

MSN S-237: A. QUALITY SUMMARY: APPROXIMATELY 75 PERCENT OF THE MISSISSIPPLE ACQUIRED OVER WATER OR AFFECTED BY CLOUDS AND HAZE. DENSITY OF ORIGINAL NEGATIVE IS LESS THAN OPTIMUM, HOWEVER, THE SPRING SEASON, MANY FRAMES EXHIBIT BOTH SNOW COVERED AND

RRD REFRO AID IEG IFG/OD SCIEN WEST M&S IEG/PHD TAS IN MANY ARMAZAP 25X1 CNIX

OFFICE FILE CABLE SEC.

FP&B/RD

TSSC/AFS/

SECUR.

PSG/OC

PAGE 3 RUEADJU ØØ36 S E C R E T SNOW FREE TERRAIN IMAGERY; THEREFORE, DENSITY VARIATIONS ARE CAMERAS OPERATED SATISFACTORILY AND PROVIDED UNAVOIDABLE. FAIR TO GOOD IMAGE QUALITY. EMPIRICAL GROUND RESOLUTION ESTIMATES OF BEST IMAGERY IN CLOUD FREE FRAMES ARE AS FOLLOWS:

25X1

ANALYSIS OF TEOC: B.

- 2-

(1) LEFT TEOC (S/N 64-15): MINOR LOW FREQUENCY BANDING IS PRESENT THROUGHOUT. TWENTY PERCENT OF MATERIAL WAS EXPOSED OVER WATER.

(2) RIGHT TEOC (S/N 64-20): NINOR LOW FREQUENCY BANDING

THROUGHOUT.

C. ANALYSIS OF OOC:

(1) LEFT OOC (S/N 4019): OPERATED SATISFACTORILY.
(2) RIGHT OOC (S/N 4032): OPERATED SATISFACTORILY.

4. THE REPRODUCTIONS RECEIVED AT NPIC ARE SATISFACTORY; HOWEVER, OVERALL INTERPRETABILITY IS DIMINSHED BY TERRAIN CONDITIONS (NOTE

OVERALL INTERPRETABILITY IS DIMINSHED BY TERRAIN CONDITIONS (NOTE PARA 3A) AND THE FACT THAT ONLY SINGLE LEVEL REPRODUCTIONS WERE

PAGE 4 RUEADJU ØØ36 S E C R E T

PRODUCED.

5. COMMENTS: A SLIGHT INCREASE IN EXPSORURE AND A SLIGHT DECREASE IN THE PRINTING LEVEL MIGHT HAVE ENHANCED SOME TARGET AREAS; HOWEVER, CONCERN EXPRESSED BY PHOTO INTERPRETERS CANNOT BE ATTRIBUTED TO ANY MAJOR PROBLEM. LACK OF TERRAIN COVERAGE, ATMOSPHERICS, AND SEASONAL CONDITIONS ARE THE APPARENT REASONS FOR THE INTERPRETERS CONCERN.

GP-1

SECRET

END OF MESSAGE

GRUP-ONE